

Special Issue

SHAWWAL 1435
AUGUST 2014

Gallery
Event
Art

AL BADAR HIGHER
SECONDARY SCHOOL

Quarterly
Student's Magazine

THE YOUNG BELIEVER

Let's Talk With
The **Father** Of
Aviation Science

6 Secrets of
Ayatul Kursi



**FAST
FOOD
KILLS**

An Interesting
ENGLISH
Activity

Deterioration
Of Students
Teachers Relation



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As you know that this is the month of August and our country Pakistan got independence on the day of 14th August 1947 from the hard work of **Quaid-e-Azam Muhammad Ali jinnah** and our national poet **Allama Iqbal**. We won our freedom after millions of Muslims sacrificed their lives, but we have forgotten their sacrifices. So we have included some special things about this occasion to recognize you the importance of this day throughout this magazine. This is the second time that the students of **Al-Badr (Huffaz Branch)** had published the magazine "Young Believer" with such a great effort and even faced such difficulties as distribution of articles among the students, typing, editing, and designing work and more. But Alhamdulillah we had achieved our goal in its time as the outcome of this issue is in your hands. In this purpose all the credit goes to the members of "Team Huffaz" and our beloved sir "**Sir Amir Khalid's**" guidance. I solemnly pray to Allah that we take this lesson in a positive stride for the betterment of the Muslim Ummah.

Ameen
Inshaal Arif

Your Feedback Is Required

The Magazine is the student's Work if there are any mistakes, contact with the editors or email at the below address. Correction of mistakes will be appreciated.

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THE FATHER OF FEMTOCHEMISTRY

What would a football match on TV be without "slow motion" revealing afterwards the movements of the players and the ball when a goal is scored? What would a cricket match on TV be without "slow motion" when the players are LBW. Chemical reactions are a similar case. The chemists' eagerness to be able to follow chemical reactions in the greatest detail has prompted increasingly advanced technology. The Muslim laureate (Winner of Noble Prize) in Chemistry, **Ahmed Hassan Zewail**, has studied atoms and molecules in "slow motion" during a reaction and seen what actually happens when chemical bonds break and new ones are created. The area in which we study chemical reactions in extremely slow motion is called "**Femtochemistry**".

Who is Professor Ahmed Hassan Zewail?

Ahmed Zewail was born in 1946 in Egypt where he grew up and studied at the University of Alexandria. After continued studies in the U.S.A. he graduated for PhD in 1974 at the University of Pennsylvania. After two years at the University of California at Berkeley he was employed at Caltech where he has the Linus Pauling Chair of Chemical Physics since 1990. Zewail is Egyptian and American citizen.

What and Why is Femtochemistry?

Femtochemistry is the area of physical chemistry that studies chemical reactions on extremely short timescales, approximately 10^{-15} seconds. One femtosecond is 10^{-15} seconds, that is, 0.000000000000001 seconds, which is to a second as a second is to 32 million years. This area of physical chemistry has been named femtochemistry. Femtochemistry enables us to understand why certain chemical reactions take place but not others. We can also explain why the speed and yield of reactions depend on temperature.

Towards The Future With Femtochemistry:

Some research applications of femtochemistry:

Biology:

The processes of photosynthesis in which light energy is converted to chemical energy are being studied in detail with femtochemistry methods. Knowledge gained can be used for developing processes and materials for artificial photosynthesis.

Chemistry:

Being able to control chemical reactions is the chemist's dream! Knowledge from femtochemistry experiments affords opportunities for doing this and can lead to chemicals with unique new properties.

Medicine:

Femtochemistry methods can be used for studying photochemical reactions used in medicine, e.g. for photodynamic cancer therapy

Material Science:

Future electronics will be based on lightdriven processes since this allows faster components of greater capacities.

Femtochemistry methods are already being used to study materials for tomorrow's electronics.

Forwarded By:

Syed Haroon Ahmed (X Sci A)

Early Invention



The Father Of Aviation Field

Forwarded By: Hammad Hassan (IX Sci A)

Who taught the world that humans could fly? Wright brothers; this answer always pops into the minds of people. The modern world knows wright brothers because they were focused by the world when they made their first flight and till today, what crazy thing they did is known and remember. But there is a fact that almost no one knows. It is; the first ever flight made by any human was a muslim named, **Abbas Ibn Firnas**. Who was born in 194 A.H (810 A.D) **Izn-Rand Onda, Al-Andalus** (today's Ronda, Spain), lived in the Emirate of Córdoba. The man with multi talents. He was a was a Muslim Berber-Andalusian polymath an inventor, physician, engineer, and Arabic-language poet.

About Flight:

Abbas Ibn Firnas made several attempts and he finally succeeded in one. His flying machine resembled the bird wings. The bird wings are the perfect flying machine which seldom fails. The wings are made in such a way that they can float in air. The bones in the wings are hollow from inside and feather upon them are soft and less dense to the extent that they can carry the weight of a bird without any difficulty. So, firnas must have studied them very closely until he ended up making his first flight machine. His first flight was a success. He flew in the air for more than 10 mintues before he crash landed.

Influence On The Modern World:

Most of the historians confirmed that the ornithopter (The vital component for stability during landing) was invented by Abbas Ibn Firnas. This invention inspired the West to furthur develop the aviation technology, thus influenced the modern method of flying. So, Naturally 'Abbas Ibn Firnas should be recognised as 'the father of the aviation field'.

Other Inventions:

Ibn firnas was not just a flying man but his work list has some one inventions too.

1: Ibn Firnas designed water clock and called it Al-maqata, this device measures time with the inflow or outflow of the water from the pot. Some of these can be found in museums.

2: Glass, which is used in many things has been seen around since centuries. Ibn Firnas devised a mean to make it colourless. It is his invention because of which we see many colourless glasses around us.

3: He invented a glass planisphere, a device which is used to study stars and other objects. His invention was a value added in existing astronomy.

4: He also made corrective lenses, the glass which are worn on eyes, which we know as "lenses" today. So, the contact lenses are not the made of west but they are make of muslims.

6: Stone cutting, which is no pain today, was introduced by him. In his times, stones used to be cut and shaped in egypt. But ibn firnas made it easy for Spain by developing a mechanism for it.

7: His home is said to contain a place where he made people see stars, clouds, thunders etc. he did all that from his basement laboratory where he set some machines to produce artificial nature. He also made artificially movements of stars on heavens.

ARTICLES

General ISLAM

Characteristics Of

Islam was destined to become a world religion and to create a civilization which stretched from one end of the globe to the other.

Already during the early Muslim caliphates first the Arabs, then the Persians and later the Turks set about to create classical Islamic civilization. Later, in the 13th century, both Africa and India became great centers of Islamic civilization and soon thereafter Muslim kingdoms were established in the Malay – Indonesian world while Chinese Muslims flourished throughout China.

Islam which was conveyed by The Prophet Muhammad May Peace be Upon him is a perfect religion. I can say this because every aspect in life is ruled by Islam. Islam teaches us what we should do when we are entering the restroom until the way to choose a leader, Islam rules from the smallest things until the biggest ones.



This Article Is Forwarded By:
Bilal Hanif
Class IX General

How Are Made? Chew Gums

Chewing gums are made from the juice of a particular tree. This tree germinates in the hot forests of Central America. The people who pull out the juice from tree, slit the branches from many places. Then a milky liquid comes out from them and they store it in buckets. When they store too much, they heat it in big pots. After a while, it becomes rubber.

This rubber is called “Chicle”. When it becomes cold, they cut it into many pieces and send them to chewing gum making factories. In factory, they again heat chicle and mix sugar and fragrance in it. Then make it chewing gum. Bubble gum also made from these chicles. For this, a particular type of smooth elastic plastic is mixed in it which is really an artificial rubber. When you chew it and blow, it will become a bubble.



This Article Is Written By:
Farukh Niaz
Level IV-A

Reward Multiplied

Once a beggar came to Sayyiduna Ali رضى الله تعالى عنه who sent his son, Sayyiduna Hassan رضى الله تعالى عنه to Sayyidatuna Fatima رضى الله تعالى عنها to give him one silver coin. Sayyidatuna Fatima رضى الله تعالى عنها replied that the six coins in the house were reserved for purchasing flour. Sayyidauna Ali رضى الله تعالى عنه replied "One's imaan is not complete until one has more trust in that which is by Allah than what one has". Upon hearing this, Sayyidatuna Fatima رضى الله تعالى عنها offered all the six coins instead of only one coin to the beggar. Subsequently, a person was selling a camel. Sayyidauna Ali رضى الله تعالى عنه negotiated to purchase the camel for 140 coins, on credit. Soon thereafter, another person passed by and offered to buy the camel from Sayyidauna Ali رضى الله تعالى عنه for 200 coins in cash. Sayyidauna Ali رضى الله تعالى عنه sold the camel for 200 coins, paid 140 coins to his creditor and sent the balance of 60 coins home. Sayyidatuna Fatima رضى الله تعالى عنها enquired what the 60 coins were for. Sayyidauna Ali رضى الله تعالى عنه replied: "You gave 6 coins to the beggar and Allah gave you sixty coins according to his promise. Allah says: "The person who does one good deed, his reward will be multiplied ten times". You gave six, Allah gave you sixty in return".



This Article Is Written By:
Muhammad Abdullah Haqqi
Class IV-A

Ayat Al Kursi

The Power Of Thrones

If you recite Ayat-al-Kursi while going outside, 70,000 Angels (Malaik) protect you everywhere from any kind of difficulty and problem.

If you recite Ayat-al-Kursi while entering your home, poverty will be far away from it.

If you are going to recite it before sleeping, 1 Angel (Malaik) will protect you till morning.

One who recites it after every prayer, their salaah will be accepted, they will remain in the safety of the Almighty and He will protect them.

When one is alone in the house, recitation of Ayatul Kursi and asking Allah for help will make you remain calm and you will not fear.

For those of our dear ones who have passed away, recitation of Ayatul Kursi and giving it as Hadiya to them, gives them light (noor) in the grave.

This Article Is Forwarded By:
Bilal Hanif
Class IX General

SIDE EFFECT Of CIGARATE TOBACCO BATTLE NUTS

According to world health organization smoking could become the world's biggest killer by year 2020, causing were death, then any other diseases.



BAD EFFECT OF SMOKING ON Health

- Smoking affects the lungs.
- Heavy smoking can also damage the heart and blood vessels.
- Non-smokers are also



affected by smoking, if they spent much time in a room people

who are smoking.

- The non-smokers, therefore, do not like the company of smokers.
- Doctors and our parent's advice for them. Its bad effect on health and don't use for bad things.

Battle nuts are not good for health, it side effects are mouth cancer. It taste is very sweet but it make only tobacco and it does not make a good material. It's heavy use for daily, so they vastly side effect.



This Article Is Written By:
Huazifa Ashraf
Class IX General

POEMS

Forwarded By:
Muhammad Anas Usman
Class: IV- B



What Is Life



A sweet child said: "Life is innocence".

A rose said: "Life is scent".

A bird said: "Life is freedom".

An old man said: "Life is hope".

A mother said: "Life is faith and love".

A player said: "Life is a game".

A soldier said: "Life is to do and die".

A river said: "Life is like a flow".

A Muslims said: "Life is an exam".

Poem Forwarded By: Saad Tahir Level II B

Money



Money can buy a house
but not a home.

It can buy a bed but not
sleep.

It can buy an expensive
watch but not time.

It can buy books but not
knowledge.

It can buy a position but
not respect.

It can buy a medicine but
not health.

It can buy blood but not
life.



Poem Forwarded By: Huzaifa Imran Level III B

OUR PAKISTAN

Alhamdulillah, Alhamdulillah
We have our Pakistan, we have our
Pakistan
We can do what we want, we can hear
sweet Quran
We can pray, we can listen to the Azaan

O Muslims, O Muslims
We have a separate nation, we have a
separate nation
We should be proud of it, we are as free
as falcon
We can follow here Allah's every injunction

O Allah, O Allah
You are Beneficent, You are Kind and
Merciful
We are thankful for being so bountiful

Alhamdulillah, Alhamdulillah
We have our Pakistan, we have our
Pakistan
We can hear sermons that enkindle our
Emaan
Grow beards, wear veil, an order of the
Quran

Alhamdulillah, Alhamdulillah
We can celebrate our Islamic festivals
Can be Islamic scholars, free of all evils
Long live our Pakistan, Long live our
Pakistan

Shariq Ali Do's IV B

Benefits Of Swimming

Islam motivate or counselling to improve the mentally and physically activities. Specially on swimming, horse riding and archery are tiredness and fatigue if we swim few minutes it is highly impact our body to improve relaxation and it is so beneficial.

Swimming burns lots of calories very early and original research on swimming and calorie expenditure showed that swimming regardless of the stroke burn about 89% the calories burned, during running 97% of the calories burned, during cycling for the same time period stated another way swimming burn about 11% fewer calories than running but only 3% fewer calories than biking one important caveat about

this date is that calorie expenditure is dependent on the intensity of exercise and so it's entirely possible to burn more calories swimming than running in the some period of time as long as you swim hard enough and particularly so if compared to running at light intensity.

There's nothing like it during the hot days of summer whether it's at the beach or in the pool. It's relaxing to the movement are smooth and rhythmic, and it's a great workout.

When athletes are injured particularly in the lower extremities they are frequently told to swim to maintain their fitness level. The resistance of the water makes the muscles work but without the strain or impact that is experienced on land.

Jack la Lanne, who died in 2011 still swim one hour every day at age 93.

Improve oxygen and stroke volume 10% to 18%.

Conclusion:

1) Needed and learn to concentrate to introduce swimming pools and swimming in AL BADR SCHOOL SYSTEM.

2) It is no economically burden.



Inshaal Arif Dont's IV B

Fast Food/Junk Food

Fast Food is the term given to food that can be prepared and served very quickly. Fast food can also be defined as any food that supply little or no nutrient value to the diet, but instead provides extra calories and fat. Fast food can be a good way to save time, but it is not the proper way for diet. Junk food and fast food is food that is bad for you and you should not eat it every day.

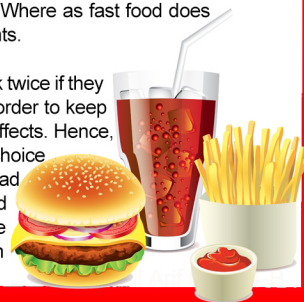
Some fast food contains bad ingredients which can cause bad effects on our health, some are serious and some are just disturbing and some may put you into bad condition. Over time, this can lead to an increased risk for illness and disease. Fast food is harmful to health. It is a cause of several diseases.

In latest research, scientist have found that people who eat food four or more times a week, up their risk of dying from heart disease by 80 percent. This is the reason of

popularity of fast

food is that it can save time. Fast food such as hamburgers and pizza only need a short time to order. But they utilize more money as compared to home-prepared food. Low income people can hardly afford continuous use of fast food. It Spends a lot of budget and is also cause of loss of healthy body. Fast food may include chips, sandwiches, burgers, kebabs, pizza, chicken, soups and salads. It also includes drinks, for e.g. milkshakes and soft drinks. A well-balanced food contains all essential elements which are required for human development. Where as fast food does not have all these elements.

Human being should think twice if they want to eat fast foods in order to keep away from the negative effects. Hence, they can take another choice of fast foods such salad which has low calories and good nutrients. Thus, the human body will remain healthy.



Art Gallery



Muhammad Saad Saleem 3-B



موسم سردی
پر 3B



Syed Gulzar Ahmed 3-B

Best Art



Syed Gulzar Ahmed 3-B



Muhammad Saifullah 3-B

قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ:
كُلُّ بِدْعَةٍ ضَلَالَةٌ

رسول اللہ صلی اللہ علیہ وسلم کا ارشاد ہے کہ۔

ہر بدعت گمراہی ہے

فرخ نیاز
بیول فلاس

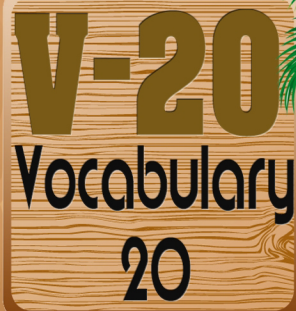
Farukh Niaz 3-B

لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ
أُسْوَةٌ حَسَنَةٌ

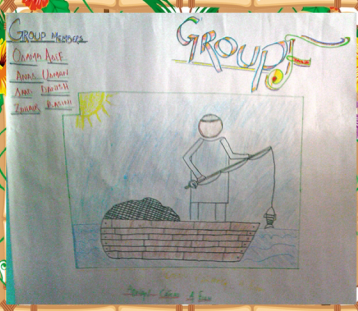
خیر کی مثال ہے
اللہ کے رسول کی ہر بات میں

Farukh Niaz 3-B

Traffic

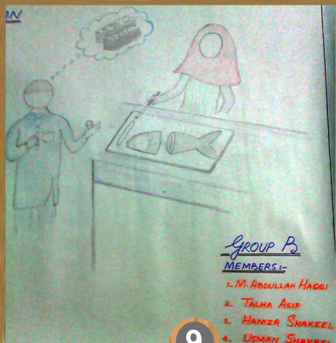


Students look up words within 20 seconds in the dictionary and then make charts.



to not take care
of something

It began to be neglected from the very first day.



1. Ahmed Amir
2. Abdullah
3. Ebnab
4. Umar Amir

Neglect



Joke

Patient: Doctor, I have a pain in my eye whenever I drink tea.
Doctor: Take the spoon out of the mug before you drink.

Forwarded By: Usman
Muhammad Ashraf Level 1

Joke

Teacher: Why are you late?

Student: There was a man who lost a hundred Rupees.

Teacher: That's nice. Were you helping him look for it?

Student: No. I was standing on it.
Forwarded By: Usman
Muhammad Ashraf Level 1

Joke

Teacher, Little Huzaifa: can I go to the Drink Water?

Teacher: Little Huzaifa, MAY I go to the Drink Water?

Little Huzaifa: But I asked first!
Forwarded By: Usman
Muhammad Ashraf Level 1

Islamic Quiz First Of Every Thing

Q 1 Which was the first decisive battle of Islam

Q 2 Which was the first written agreement in the history of Islam

Q 3 Who was the first sword fighter of Islam

Q 4 First Ayah of Quran wrote to the leaves of ___ tree

Q 5 Who was the first slave to accept Islam

Q 6 First tree in the world is

Q 7 First woman to accept Islam

By Rayyan Saleem
Level 3-B

Q 8 First day in the world is

Riddle By:

Syed Tayyab Level II

What goes up and doesn't come back down

what is it ?

Riddle By:

UMAIR Tariq Level II

What has a thumb and four fingers but is not alive

what is it ?

Tongue Twisters

Give papa a cup of proper coffee in a copper coffee cup.

Tongue Twisters
By:
Name: Sajid
Class: Level 3 A

The sixth sick Sheik's sixth sheep is sick.

I saw a saw that that could saw any other saw I ever saw.

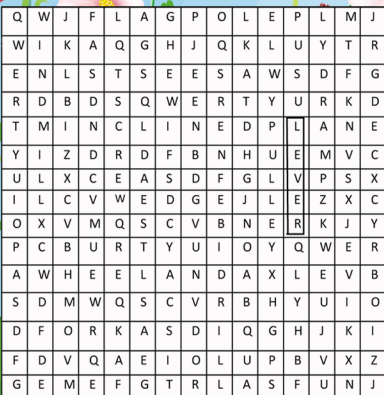
Word Search

Find and circle the names of the following simple machines in the square below:

Lever, inclined plane, screw, wedge, pulley, wheel and axle, drill, ramp, fork, see-saw, flagpole, windmill.

Game By: Unknown

The first is done for you. Class: Unknown



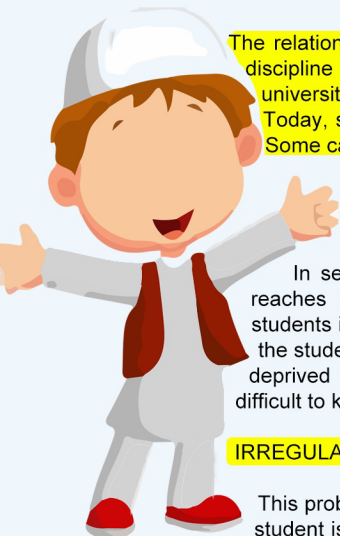
دنیا کی بہترین اگریٹیاں

میٹرو گریٹ کی دھڑ دھڑاتی ہوئی 38 سالوں سے
پاکستان اور دنیا کے 52 سے زائد ملک کو بہتر بناتی ہیں۔



Deterioration Of Teachers Student Relation

By: Uzair Abdur Rauf IX Sci A



The relationship between the teacher and student is the main aspect which influences the discipline and quality of the academic institution. The relations in Pakistan at college and university level have been reduced and secondary schools are also facing this problem. Today, students and teachers have become two opponents' parties blaming each other. Some causes of deterioration of teachers and students are:

EXCESS ENROLEMENT OF STUDENTS:

In several public sector schools and colleges, the number of students enrolled reaches up to hundreds. This doesn't match with the condition of 30-35 students in each class. Teachers feel difficulty to identify their students and the students feel great inconvenience for sharing their problems. They are deprived of the individual attention of their students. This makes it more difficult to keep the environment disciplined.

IRREGULARITY OF STUDENTS:

This problem is seriously noticed in all educational institutes. Every student is expected to attend 75% of the classes instead of 100% but students do not attend even one fourth of the classes. And they

avoid coming in direct contact with teachers and they get less opportunities of meeting with each other.

PARENTS ATTITUDE:

Teacher's responsibilities don't reduce the responsibilities of parents. At colleges and universities, students settle their academic affairs independently. Most of the parents remain unaware about their child's studies, academic performance, social activities and friends.

ROLE OF TEACHERS:

Student-teacher relations are dominated by the role of teacher. His personality, professional skills and behavior are the actual determinants of relations. They occupy a place in the hearts of their students. A few teachers are running their coaching centres which have shifted the nature of student-teacher relation from academic to commercial. Lack in sincerity and devotion for education and are inclined to make money.

POLITICAL PARTIES:

In Pakistan, several students organization which are performing as nurseries of political parties. Teachers are forced and threatened by these parties demanding illegal favour. Clear and strong groups compelled teachers to remain served in several academic issues and avoid maintaining close relations with parents and students.

Due to these reasons children are taking no interest towards studies. Everybody should understand their responsibilities and work with sincerity to make educational system more effective.



DEAR Editor!

Anas Usman
Class: IV B

I would like to draw your attention towards our "YOUNG BELIEVER" magazine so that you may make it effective. kindly include any suggestions to make it informative and student friendly:

1. Add quotes/words of wisdom or famous people.
2. Include construction and inspiring stories.
3. Motivation columns/articles for students to explore new ways of learning.

Syed Gulzar Ahmed
Class: IV A

There are many interesting things in the magazine and I would like to say that this is a good magazine. My favourite segments are riddles and jokes and I want that you should include hidden in sight, word search and prize winning mind games.

Muhammad Hammad
Class: IX Sci A

Today our country is facing very difficulties most of all Karachi, after one, two or three days are strike and suddenly situation is change.

So in this situation every citizen should know "Karate" and exercises of "Army". So I want in our school in periods of week the Karate is a part of every day period and our management select the master of Karate to coach our school student.

Please accept this application because this is a question of our safety and safety of our country also.

Muhammad Arif Mushtaq
Class: IX Sci A

I would like to bring in your knowledge that your magazine "YOUNG BELIEVER" is very good and it is very informative and enjoying. I like "joymetry" portion very much and also the "art work" is very beautiful. Your articles are very beneficial for everyone who reads. You are doing such a great thing by providing this magazine. I am very thankful to you.

Joymetry
Answers

- Quiz (First Of Every Thing) :
1. Battle Of Al-Badr
 2. Dastur ul-Madimah
 3. Hazrat Ali Bin Abi Talib
 4. Date Palm
 5. Hazrat Zayd bin Harithah
 6. Date Palm Tree
 7. Hazrat Khadija
 8. Friday
- Riddles:
1. Age or Time
 2. Glove



14th August

Independence Day of
Islamic Republic of



By: Amarullah Khan Level IV C

14th August the day of Pakistan is a common day for other nations, but this is most valuable day for Pakistani nation in history of Pakistan. In Urdu language it is called as "Yom-e-Istiqlal". On 14th August 1947 the world saw a new country "Islamic Republic of Pakistan" as an independent country. Remember that according to Islamic calendar Pakistan became on 27th of Ramadan when Allah blessed Muslims with the pious homeland.

The word "Pakistan" is combination of two words "Pak" means pious and "stan" means homeland. Both words belong to Persian and Urdu language.

The Pakistan came into existence due to restless efforts of Quaid-e-Azam (the great leader) Muhammad Ali Jinnah. Muhammad Ali Jinnah proved to be a great leader and his name has been written in golden words in the history of Pakistan.

14th August is a public day of dedication and pride for the people throughout Pakistan and celebrated with great enthusiasm and devotion among the nation. The main celebrations of this day are flag hoisting, singing patriotic songs, tributes to the national heroes and cultural activities. The importance of this day lies in paying tribute to the lost heroes and in raising the hopes for a bright future. All children and girls feel happy and filled with emotion on this day. They participate in events and express feelings.

Being a Pakistani we must celebrate 14th August by thanking to All Mighty Allah for giving this homeland after immense sacrifices-

ENGLISH LISTENING VISUALIZE ACTIVITY

Level IV B

By: Syed Gulzar Ahmed

OUR English teacher, Sir Amir Khalid brought a cassette of story. The name of the story was The Fisherman. **1**

2
We listened the story with great concentratoin.

4
Then our teacher made groups of the whole class. Every group include 3 to 4 students. Every one start discussion about the story with their own groups.

3
Our teacher ordered the class to think about the story that what was in the story and then asked some questions from the class.

6
Some group made charts and some wrote the story in their own words and some groups made an amazing picture story.

5
After Discussion our teacher ordered to every group that they should make posters, charts, cards and picture story.

**We Enjoyed
This Activity
A lot**

